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CIA-RDP86-00513R000

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GIRSANOV, I.V.

Transforming a class of stochastic processes by absolutely
continuous substitution of measures. Teor. veroyat. i ee
prim. 5 no.3:314-330 '60. (MIRA 13:9)
(Probabilities)

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GIRSANOV, I. V. (Moskva)

Strong-Feller processes. Part 1: General properties. Teor. veroyat.
i ee prim. 5 no.1:7-28 '60. (MIRA 13:10)
(Probabilities)

87389

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S/020/60/135/006/003/037
C 111/ C 333

AUTHOR: Girsanov, I. V.

TITLE: Solution of Some Boundary Value Problems for Parabolic and Elliptic Equations With Discontinuous Coefficients

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 6,
pp. 1311-1313

TEXT: Assume that the bounded domain G of the Euclidean n -dimensional space has the boundary Γ and is divided by smooth $(n-1)$ -dimensional manifolds σ^0 into the subdomains G_i ($i = 1, \dots, N$). Let C_k^0 be the class of functions which possess k continuous derivatives

in $\bigcup_{i=1}^N G_i$; let \bar{C}_k^0 be the class of functions, the k -th derivatives of which are continuously continuable in every G_i . Let $C_{k,\lambda}^0$ ($\bar{C}_{k,\lambda}^0$) be subclasses of C_k^0 (\bar{C}_k^0), where the k -th derivatives satisfy the Hölder condition; the functions belong to C_k^0 (\bar{C}_k^0), if their k -th derivatives are continuous in $G(\bar{G})$.

For an elliptic equation it holds:

Theorem 1: Let $a_{ij}, b_i, c, f \in \bar{C}_{k,\lambda}^0$ and assume that they are three

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Solution of Some Boundary Value Problems for Parabolic and Elliptic Equations With Discontinuous Coefficients

times differentiable in the neighborhood of $\bigcup_{i,j=1}^N \gamma_{ij}$ everywhere except in the points of $\bigcup \gamma_{ij}$, where these functions and their derivatives may have discontinuities of first kind. The surfaces γ_0, γ_{ij} are assumed to be three times differentiable; let φ possess 2 derivatives along γ_0 which satisfy the Hölder condition. Then

$$(2) \sum_{i,j=1}^n a_{ij} \frac{\partial^2 u}{\partial x_i \partial x_j} + b_i \frac{\partial u}{\partial x_i} + cu = f$$

possesses a single solution belonging to $C_{2,\lambda} \cap C_1$, satisfying the boundary condition $u/\gamma_0 = \varphi$ and satisfying (2) in every G_i . This solution is the boundary value of the solutions of

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Solution of Some Boundary Value Problems for Parabolic and Elliptic
Equations With Discontinuous Coefficients

$$(2') \sum_{ij} a_{ij}^h \frac{\partial^2 u^h}{\partial x_i \partial x_j} + b_i^h \frac{\partial u^h}{\partial x_i} c^h u^h = f^h$$

with the same boundary condition, where the a_{ij}^h , b_i^h , c^h , f^h
are smooth functions which converge to a_{ij} , b_i , c , f .

Let the operator A be defined by

$$(1) Au = \sum_{i,j} a_{ij} \frac{\partial^2 u}{\partial x_i \partial x_j} + b_i \frac{\partial u}{\partial x_i}$$

For a parabolic equation it holds:

Theorem 2: Let $G_T = G \times [0, T]$, the coefficients of A do not depend
on t and satisfy the conditions of theorem 1; let $\varphi(x, t)$ be smooth
on the bases and on the lateral face of the cylinder G_T . Let
 $A^k f(x, 0)$, $k = 0, 1, 2$; $A \frac{\partial f}{\partial t}(x, 0)$; $\frac{\partial^2 f}{\partial t^2}$; $A^k \varphi(x, 0)$, $k = 0, 1, 2, 3$

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Solution of Some Boundary Value Problems for Parabolic and Elliptic Equations With Discontinuous Coefficients

be bounded and continuous. Then

$$(3) \quad \frac{\partial u}{\partial t} - \left(\sum_{ij} a_{ij} \frac{\partial^2 u}{\partial x_i \partial x_j} + b_i \frac{\partial u}{\partial x_i} + cu \right) = f$$

possesses a unique solution u belonging to $C^0 \cap C^1$ in x , being continuously differentiable with respect to t and attaining the value φ on the bases and lateral face of G_m . The solution can be obtained as limit value of the solutions of equations of type (3) with smoothed coefficients.

Theorem 3 contains an analogous statement on the existence and uniqueness of the solution of the Cauchy problem for (3).

The three theorems are obtained by the method of O. A. Oleynik (Ref.1).
The author thanks O. A. Oleynik and A. M. Il'in for assistance.

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C 111/ C 333

Solution of Some Boundary Value Problems for Parabolic and Elliptic Equations With Discontinuous Coefficients

There are 3 references: 2 Soviet and 1 American.

[Abstracter's note: (Ref.1) is a paper of O. A. Oleynik in Doklady Akademii nauk SSSR, 1959, Vol. 124, No. 6] .

PRESENTED: July 4, 1960, by A. N. Kolmogorov, Academician

SUBMITTED: July 3, 1960

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Card 5/5

88396

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C111/C222

16.5200

AUTHOR: Girsanov, I.V.

TITLE: Minimax Problems in the Theory of Diffusion Processes

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 4,
pp. 761 - 764

TEXT: Let U be a region in the space of the x_1, x_2, \dots, x_n, t . In U let be given the family $X(m^1, m^2) = \{x_t(\omega, m^1, m^2)\}$ of diffusion processes characterized by the matrix of the local diffusion $A(t, x) = \|a_{ij}(t, x)\|$, the velocity field $b(t, x) = \{b_1(t, x), \dots, b_n(t, x)\}$, and the duration of life given by the additive functional $\int_0^t h(s, x_s) ds, h \leq 0$

(cf. (Ref. 1)). Let

$$(1) \quad b(t, x) = b^0(t, x) + m^1(t, x) - m^2(t, x) ,$$

where m^i belong to a certain set M^i of vector fields in U . If $\phi[x(\cdot)]$ is a functional on continuous functions with values in U and

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$$(2) \quad u(0, x, m^1, m^2) = E_{x,0} [\phi[x(\omega, m^1, m^2)]]$$

is the mathematical expectation of the value ϕ of the trajectory $x(m^1, m^2)$ which for $t = 0$ originates in x , and if M^i is taken as the set of strategies of the i -th player and $u(0, x, m^1, m^2)$ as the winning function then one obtains a game $G(M^1, M^2, u)$ in normal form. Let $\varphi(t, x)$ be bounded on the boundary γ of U ; let $g(t, x)$ be bounded in U , τ_γ be the moment of the first outlet of the trajectory $x_t(\omega, m^1, m^2)$ on γ .

$$(3) \quad \phi[x(\cdot)] = \varphi(\tau_\gamma, x_{\tau_\gamma}) + \int_0^{\tau_\gamma} g(s, x_s) ds$$

for those trajectories which reach γ . If φ, A, b satisfy certain conditions of smoothness then $u(t, x, m^1, m^2) = E_{x,t} [\phi[x(\omega, m^1, m^2)]]$ is a solution of

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Minimax Problems in the Theory of Diffusion Processes

$$(4) \quad \frac{\partial u}{\partial t} + Lu + (m^1 - m^2, \nabla u) = g$$

with the condition $u_{/\kappa} = \psi$. Here $\nabla u = \left\{ \frac{\partial u}{\partial x_1}, \dots, \frac{\partial u}{\partial x_n} \right\}$, $(a, b) =$
 $= \sum_{i=1}^n a_i b_i$, $Lu = a_{ij} \frac{\partial^2 u}{\partial x_i \partial x_j} + b_i^0 \frac{\partial u}{\partial x_i} + hu$.

Theorem: Let the $A(t, x)$, $b^0(t, x)$, $h(t, x)$ and U be so that (4) has a fundamental solution corresponding to the homogeneous boundary condition if m^1 , m^2 are arbitrary smooth vector fields satisfying

$$(5) \quad M^1 = \left\{ m^1(t, x) : \sum_{k, l=1}^n b_{k,l}^1(t, x) m_k^1(t, x) m_l^1(t, x) \leq 1 \right\},$$

$b_{k,l}^1(t, x)$ are non-degenerated quadratic forms; in the topology of the bounded almost everywhere-convergence, let $u(t, x, m^1, m^2)$ depend continuously

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ly on m^i . Let the equation

$$(6) \quad \frac{\partial u}{\partial t} + Lu + (B_{k,1}^1(t,x) \frac{\partial u}{\partial x_k} \frac{\partial u}{\partial x_1})^{1/2} - (B_{k,1}^2(t,x) \frac{\partial u}{\partial x_k} \frac{\partial u}{\partial x_1})^{1/2} = g$$

where $\|B_{k,1}^1(t,x)\| = \|B_{k,1}^2(t,x)\|^{-1}$ have a continuous generalized solution $\bar{u}(t,x)$ in \bar{V} which on γ assumes the value φ . Then $\bar{u}(0,x)$ is the price of the game and the vector field

$$(7) \quad \bar{m}^i(t,x) = \begin{cases} (-1)^{i+1} \frac{B^i(t,x) \nabla u}{(B^1(t,x) \nabla u, \nabla u)^{1/2}} & \text{if } \nabla u \text{ is defined} \\ 0, & \text{if } \nabla u \text{ is not defined} \end{cases}$$

is the pure optimal strategy of the i -th player ($i=1,2$).
In the special case where $U = U_0 \times [0, \infty)$ and where the coefficients of (6)
the right side, and the boundary values do not depend on t , one obtains

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Minimax Problems in the Theory of Diffusion Processes

the elliptic equation

$$(10) \quad Lu + (B_{k,l}^1 \frac{\partial u}{\partial x_k} \frac{\partial u}{\partial x_l})^{1/2} - (B_{k,l}^2 \frac{\partial u}{\partial x_k} \frac{\partial u}{\partial x_l})^{1/2} = g$$

and $u|_{\Gamma_0} = \psi(x_0)$ boundary of U_0 .

Assertion : Let \bar{u} be a solution of (10) and let either 1^0 . $h = 0$,
 $g \neq 0$ or 2^0 . $u \geq 0$, $h \leq 0$, $g > 0$ or $u \leq 0$, $h \leq 0$, $g < 0$ or 3^0 . $g = 0$,

Γ_0 be a bounded closed surface, $\psi(x)$ has a maximum and a minimum. Then
the set $C = \{x : \nabla u(x) = 0\}$ has the Lebesgue measure zero. If the

solution \bar{u} is classical then the dimension of C is at most equal to

($n - 1$).

The author thanks I.V. Romanovskiy and R.L. Dobrushin. There are
5 references : 3 Soviet and 2 American.

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Minimax Problems in the Theory of Diffusion Processes

[Abstracter's notes: (Ref. 1) concerns Ye.B. Dynkin, Foundations of the
Theory of Markov Processes, M, 1959.]

PRESENTED: September 3, 1960, by A.N. Kolmogorov, Academician

SUBMITTED: March 26, 1960

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23798

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S/020/61/138/001/002/023
C 111/ C 222

AUTHOR: Girsanov, I. V.

TITLE: On Ito's stochastic integral equation

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 158, no. 1, 1964,
18-2.

TEXT: The author investigates the differential equation

$$x_t(\omega) = x_0(\omega) + \int_{\omega}^t \sigma(u, x_u(\omega)) du + \int_{\omega}^t m(u, x_u(\omega)) du, \quad u \in [t] \subset T \quad (1)$$

where $\sigma(u, x) = (\sigma_{ij}(u, x))$ is a matrix; $m(u, x) = (m^i(u, x))$ is a vector of the Euclidean R^n ; $x_t(\omega) = (x_t^1(\omega), \dots, x_t^n(\omega))$ in t is a continuous random process in R^n ; $\omega \in \Omega$ is an n-dimensional Wiener process.

Let $P(\cdot)$ be the probability distribution in the space Ω of the elementary events; let $E(\cdot|A)$ be the conditional mathematical expectation with respect to the measure P under the condition A;

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On Ito's stochastic integral ...

let ν_x be the measure generated by $x_t(\omega)$ or briefly x_t , in the space C of the continuous functions of t , $a \leq t \leq T$, the values of which are lying in R^1 .

Lemma 1: Let x_t be a random function continuous in t which is connected with the one-dimensional Wiener process β_u by the relation

$$\nu_x = \nu_{\beta} = \int_a^t \delta(u) du + \int_a^t \psi(u, u) du$$

X

Let $G_0 = \{x : |x-a| \leq 2\}$, $G_n = \{x : |x-a| < n^{-1}\}$, for $x_n \in G_0$

let almost sure

$$0 < c_1 \leq (\nu(u, u))^2 \leq c_2, \quad |\psi(u, u)| \leq c_3$$

Then for every $t \in C$, it holds the inequality

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On Ito's stochastic integral ...

$$\mathcal{P}\{\zeta_1(u; \gamma_u^{\epsilon, \Gamma}, s \leq u \leq T) > \delta\} \leq (c_1 \epsilon)^{-1/2} c(c_2, c_3, \delta) C_1(\Gamma)^{1/2}$$

where $\gamma_u^{\epsilon, \Gamma}$ -- linear Lebesgue measure.

The proof is based on

Lemma 2: Let $\gamma_s^{\epsilon} = \int_s^t \varphi(u, \omega) d\zeta_u$. Let $t = s + \int_s^t \varphi^2(u, \omega) du$.Let $0 \leq c_1 \leq \varphi^2(u, \omega) \leq c_2$. Then the process $x_t(\omega) = \gamma_t^{\epsilon}(\omega)$ is a Wiener process.

The set γ of $E^{n+1, \Gamma}$ is called admissible for $\varphi(u, x)$, if it has the type G_T and lies in a system of coordinates in the plane $\{x^1 = 0\}$, where its projection onto the plane (t, x^1) has the measure zero, while

$$\sum_i \varphi_{i1}^2(t, x^1) \geq c_0 > 0 \text{ for } |x^1| \in \mathbb{R} \quad (2)$$

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On Ito's stochastic integral ...
Theorem 1: Let the coefficients of the matrix $r(u,x)$ and of the vector $m(u,x)$ be bounded and continuous everywhere with the exception of a number of admissible sets ... Then there exists a process $x_t(\omega)$ which is a solution of (1).

Theorem 2: Let (1) have the solution x_t . Then

$$\tilde{x}_t = \tilde{x}_s + \int_s^t r(u, \tilde{x}_u) du + \int_s^t m(u, \tilde{x}_u) \cdot r(u, \tilde{x}_u)^\top m(u, \tilde{x}_u) du \quad (5)$$

has a solution too, where $r(u,x)$ is a vector with bounded coordinates.

Lemma 3: Let $x_t(\omega)$ and $y_t(\omega)$ be two solutions of (1), where

$$x_s = y_s \quad \forall s \in [0, T] \quad \text{for } s \leq t \leq T \text{ holds only for } \omega = \emptyset$$

If the matrix $r(t,x)$ does not degenerate then $x_t(\omega) = y_t(\omega)$ for $s \leq t \leq T$.

A set of bounded continuous functions f on \mathbb{R}^n is called dense if it is dense everywhere in the space of bounded continuous functions

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S/020/61/158/001/002/023

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On Ito's stochastic integral ...

which tend to zero for $x \rightarrow \infty$. From the maximum principle for

$$\frac{\partial v(s, x, t)}{\partial t} = \sum_{i,j} a^{ij}(t, x) \frac{\partial^2 v}{\partial x^i \partial x^j}, \quad m^i(t, x) \frac{\partial v}{\partial x_i} \quad (6)$$

where $v(s, x, s) = f(x)$, $a^{ij}(t, x) = \frac{1}{2} \sum_k b_k^i(t, x) b_k^j(t, x)$, $t \geq s$, and

the theorem on the general form of a linear continuous functional it follows:

$$v(s, x, t) = f(y) \# x, t, dy \quad (7)$$

where $\#(s, x, t, \cdot)$ is the probability measure in R .

Theorem 3: Let $\#(u, x)$ and $m(u, x)$ be so that (6) for every f of a dense set has a solution the second derivatives of which with respect to x are everywhere continuous with the exception of a certain number of sets $\#$ admissible for f . If x_ϵ is a solution of (*) then x_ϵ is a Markov process with the transition function (7) $\#(s, x, t, \cdot)$. If the matrix $\#(t, x)$ is not degenerated then this solution is unique.

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On Ito's stochastic integral
Theorem 4: For two arbitrary solutions x_t and y_t of (4) let $\zeta_t = x_t - y_t$.
Then the same holds for two arbitrary solutions x_t and y_t of (5).

The author mentions V. A. Voikonskiy, A. V. Skorokhod, and J. J. Gikhman. There are 7 Soviet-bloc and 2 non-Soviet-bloc references.
The reference to the English-language publication reads as follows:
K. Itô. Mem. Am. Math. Soc., 4(1956). X

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova (Moscow State University imeni M. V. Lomonosova)

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GIRSANOV, I. V.

Cand Phys-Math Sci - (diss) "Stochastic equations of the ITO and non-degenerate diffusional processes." Moscow, 1961. 5 pp; (Moscow State Univ imeni M. V. Lomonosov, Mechanics-Mathematics Faculty); 225 copies; price not given; bibliography on p 5 (13 entries); (KL, 6-61 sup, 192)

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GIRSANOV, I.V.

Ito's stochastic integral equation. Dokl.AN SSSR 138 no.1:18-21
(MIRA 14:4)
My-Je '61.

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavлено akademikom A.N.Kolmogorovym.

(Integral equations)

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PLATONOV, V.M.; PETLYUK, F.B.; GIRSANOV, I.V.

Optimum design of a rectification apparatus by means of
a digital computer. Khim.prom. no.10:764-769 O '62.
(MIRA 15:12)

(Distillation apparatus)

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GIRSANOV, I.V. (Moscow)

An example of the nonuniqueness of the solution to K. Ito's
stochastic equation. Teor. veroiat. i ee prim. 7 no.3:336-342
'62. (MIRA 15:7)

(Integral equations) (Markov processes)

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PLATONOV, V.M. (Moskva); PETLYUK, F.B. (Moskva); GIRSANOV, I.V. (Moskva)

Minimum work function of separation during rectification of a binary
mixture in a real column. Zhur. vych. mat. i mat. fiz. 3 no.3:
594-598 My-Je '63. (MIRA 16:5)
(Isotope separation) (Plate towers)

Girsanov I.
Transactions of the Sixth Conference (Cont.)

SOV/6371

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22. Girsanov, I. V. Ito's Stochastic Equations and Some of Their Generalizations 133
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25. Sarmanov, O. V. On One Method of Investigating Stationary Markov Processes 146

Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus :Gospolitizdat Lit SSR, 1962. 493 p. 2500 copies printed

58.	Belyayev, Yu. K. "Ruled" Markov Processes and Their Application to Problems in the Theory of Reliability	309
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Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus Gospolitizdat Lit SSR, 1962. 493 p. 2500 copies printed

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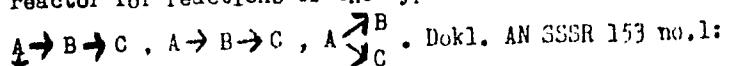
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FEYGIN Ye.A.; GIRSANOV, I.V.; PLATONOV, V.M.

Computation of the optimal temperature profile in a chemical
reactor for reactions of the type



Dokl. AN SSSR 153 no.1:
154-157 N '63.

(MIRA 17:1)

1. Nauchno-issledovatel'skiy institut sinteticheskikh
spiritov i organicheskikh produktov.

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PETLYUK, F.B.; PLATONOV, V.M.; GIRSANOV, I.V.

Calculation and design of optimum rectification stages. Khim.
(MIRA 18:7)
prom. no. 6:445-453 Je '64.

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BUTOVSKIY, V.A.; FEYGIN, Ye.A.; GIRSANOV, I.V.; PLATONOV, V.M.

Mathematical model of the pyrolysis process in tubular furnaces.
Khim. i tekhn. topl. i masel 10 no.10:1-5 O '65. (MIRA 18:10)

1. NIISS i Moskovskiy gosudarstvennyy universitet im. Lomonosova.

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(W)

Monograph

UR/

49
B71

Girs, Igor' Vladimirovich; Rusetskiy, Aleksandr Alekseyevich; Netsvetayev, Yury
Aleksandrovich

Testing the seagoing qualities of ships (Ispytaniya morekhodnykh kachestv sudov)
Leningrad, Izd-vo "Sudostroyeniye", 65. 0238 p. illus., biblio. 1,800 copies
printed.

TOPIC TAGS: shipbuilding engineering, propulsion test, laboratory instrument, performance test, test procedure, engineering instrument

PURPOSE AND COVERAGE: The book presents efficient procedures and methods for testing seagoing qualities of ships under natural conditions, gives recommendations for organizing testing procedures, and describes the measuring apparatus used. The book is intended for workers in shipbuilding plants, personnel of design bureaus and scientific research institutes, engaged in testing of ships.

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MASLENNIKOV, N.E., kand. tekhn. nauk; VYGODSKIY, I.A.; GIRSH, A.A.

Reducing burning-on in steel casting in rapid hardening molding
sand mixtures. Sbor. trud. UNIIM no.9:281-294 '64 (MIRA 18:1)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

~~CIA-RDP86-00513R0005~~

GIRSH, I.I.

DECEASED
c1961

1961/2

SEE ILC

MACHINERY

S/122/60/000/002/017/018
A161/A130

AUTHORS: Girsh, I. I., Candidate of Technical Sciences

TITLE: Modern trends in the development of horizontal forging machine designs

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1960, 82 - 89

TEXT: A general review of the development in the USA, German Federal Republic, Britain and the USSR is made. The Soviet machines are being produced in a series of 12 sizes, 100 to 3,150 ton capacity, for work diameters from 20 to 270 mm. A machine of the Novokramatorskiy zavod (Novokramatorsk Plant), "HKM3-2000" (NKMZ-2000), has a pneumatic lift table and a roller table in front. The Plants im. Smirnai in Brno, Czechoslovakia, are producing the same machine in two capacities - 800 and 1,200 tons. The machines were of conventional design with vertically split dies. The listed design faults are - a) Manual adjustment of die position and die compression by sheet shims, the result fully depends on the operator's skill, takes much time b) The top frame ties in the form of tie bolts being removed frequently and reinstalled with random tightness, the nuts loosen in operation, and the frame becomes resilient resulting in inaccurate dimensions of

Card 1/2

Modern trends in the development of horizontal...

3/132/60/000/302/017/018
A161/A130

forgings, too fast wear, friction. c) High losses of electric energy at the switching of the friction clutch on the drive shaft. A brief review is made of design improvements in foreign machines after 1950. It is pointed out that despite the improvements the automation of horizontal forging machines remains an unsolved problem, but the latest machines with horizontal die split are of high interest. It would be very difficult to produce a universal upsetting automatic machine for a wide dimension range, but automatic stamping of mass parts, or of large lots of simple shapes is feasible. This are bearing race blanks and chain links for coal conveyers, engine valves. Several Soviet design organizations are developing such automatic machines. The sticking of forgings in dies (an old problem) cannot be tolerated in automatic machines. One possible means to prevent it is suggested for automatic scrap-less fabrication of rings from rod metal. The means consists in the use of clamping cam mechanisms gripping the rod from both sides and making the die open at the moment of punch retraction while auxiliary clamping cams retain the rod in place. Some design improvements are recommended, which are simple and possible at the time being and would eliminate the mentioned crude design faults. There are 8 figures.

Card 2/2

GIRSHANOVICH, N. G.

USSR/Metals - Cast Iron, Structure

Jan 51

"On the Theory of Formation of Globular Graphite in
Cast Iron," N. G. Girshanovich, Dr Tech Sci, LPI

"Litey Proiz" No 1, pp 17-23

On crystn of graphite in globular form, mech proper-
ties of cast iron are considerably improved. Dis-
cusses theoretical substantiation of obtaining such
cast iron and mech of formation of globular graphite
under effect of added Mg and Ce and reviews existing
theories and hypotheses. Concludes graphitization
is diffusion process in all cases, and shape of
graphite is determined by conditions of carbon crystn.

Jun 51

USSR/Metals - Cast Iron, Structure
(Contd)

Analyzes these conditions. Outlines effect of
sulfur in gray and malleable cast irons.

185F01

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CIA-RDP86-00513R0005

1. GIRSHBERG, L. I.
2. USSR (600)
4. Tuberculosis
7. Problem of choosing the active method of controlling basal pulmonary tuberculosis.
Probl. tub. no. 5, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GIRSHBERG, L. S., Prof.

PA31/49T2

USSR/Medicine - Ulcers, Prevention
Medicine - Public Health

Aug 48

"Ulcerous Lesion as a Problem of the Soviet Public
Health Service," Prof L. S. Girshberg, Chair of Hosp
Therapy, Smolensk, 7 pp

"Klin Med" Vol XXVI, No 8.

Suggests various measures for control of subject
condition.

31/49T2

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

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CIA-RDP86-00513R0005

GIRSHBERG, L. S., LOSEVA, S. M.

Postwar rheumatism. Ter. arkh. 22:3, May-June 50. p. 17-21

1. Of the Department of Hospital Therapy (Head—Prof. L. S. Girshberg),

Smolensk Medical Institute.

CLML 19, 5, Nov., 1950

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R000

CIA-RDP86-00513R0005

GIRSHBERG, L. S.

Physiotherapy in internal diseases. Ter. arkh. 22 no.5:7-
(CLML 20:1)
15 Sept-Oct 1950.

1. Smolensk.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

CIA-RDP86-00513R0005

GIRSHBERG, M.A., dotsent, kandidat tekhnicheskikh nauk.

"Topography" part 1 by A.I.Bulanov and others. Reviewed by M.A.
Girshberg. Sbor.st.po geod.no.10:133-140 '55. (MLRA 10:2)
(Maps) (Bulanov, A.I.)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

CIA-RDP86-00513R0005

GIRSHBERG, M.A., dotsent, kand.tekhn.nauk

Errors committed in senior instructor. Trudy MIIGAIK no.22:
(MIRA 13:4)
43-46 '56.

1. Kafedra geodesii Moskovskogo instituta inzhenerov geodezii,
aerofotos"yemki i kartografii.
(Traverses(Surveying))

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GIRSBERG, A.A.

KUPCHINOV, Ivan Iosifovich, kandidat tekhnicheskikh nauk, dotsent; GIRSBERG,
M.A., redaktor; KHROMCHENKO, F.I., redaktor izdatel'stva; ROMANOVA,
T.V., tekhnicheskiy redaktor

[Surveying in large-scale industrial construction; a reference manual]
Geodesiya pri krupnom promyshlennom stroitel'stve; spravochnoe
rukovodstvo. Moskva, Izd-vo geodez.lit-ry, 1957. 375 p. (MLRA 10:8)
(Surveying) (Building)

Gershberg, M.A.

SOV/2152

PLATE I BOOK INFORMATION

3(2)

- Moscow. Institut inzhenerov geodezii, aerotekhniki i kartografii
Trudi, vyp. 33 (Transactions of the Moscow Institute of Engineering
Geodesy, Aerial Photography, and Cartography), No. 33,
Geodesist, 1958. 123 p., 1,000 copies printed.
Editorial Board: A.I. Manashevill (Responsible Ed.), V.I. Arseevich (Deputy
Res. Ed.), G.V. Baratuni, N.Ye. Bobrik, E.M. Volkov, A.I. Zhurav,
S.V. Yeliseyev, P.D. Zakatov, G.P. Lashgurnik, I. M. Molodkin, V.I. Novikov,
N.D. Soloviev, B.V. Perlov, and V. I. Shevchenko (Ed. of Publishing
House). A.I. Leont'eva (Tech. Ed.), V.V. Romanov.
PURPOSE: This issue of the Institute's Transactions is intended for
geodesists, photogrammetrists, and cartographers.
CONTENTS: This collection of articles covers a variety of problems and
questions of interest to persons in the mapping field. Several
instruments employed in photogrammetry are investigated and evaluated.
These include a photovarigraph, the Photo Reductor MIRDAK, and
Transitions of the Moscow Institute (Cont.)

- Surveying chronometers. Other subjects treated include Stokes'
formula, correction of instrumental errors, British Method, similar
camera orientation, aerial camera orientation, and others. References
to many individual articles.
- Emelin, S.I. Construction of Relief (to Graphic) by the Method
of Field Projection 41
Platonov, I.M. The Use of a Correlation Ellipse as a Characteristic
Curve for a Series of Geodetic Measurements 49
Zakarov, M.P. Constructing Conical Sections by Means of
Central Projection 55
Zimov, V.I. Automation of the Astronomical Orientation of an
Aircraft 59
Savchenko, A.T. Some Problems in Mapping Economics 63
Gershberg, M.A. and K.I. Kibakyan. Evaluation of the Photo
Instrument Mirnik 71
Faddeev, V.M. A New Method of Instrumental Approach to
an Aerial Survey Flight Line 79
Gerasimov, T.I. Testing and Evaluation of the Marine Chrono-
meters Manufactured by the State Clock Factory in Kirova
93
Gerasimov, T.I. Some Problems in Evaluating the Accuracy
of Series of Measurements of Equal Precision 99
Fradkina, N.G. A Method of Establishing Micro-triangula-
tion for Detailed Construction (Building) Site 113
Fradkina, N.G. Comments to [on] Critical Observations
of Doctor M.A. Gershberg 121
Gershberg, M.A. Comments on Ye.P. Matitayev's Letter 123

SOV/2152
B-12-59
12

AVAILABILITY: Library of Congress

Card b/a

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

LEVCHUK, Grigoriy Pavlovich; GIRSHBERG, Moisey Abramovich; MAZMISHVILI, A.I.,
red.; KOMAR'KOVA, L.M., red. Izd-va; ROMANUVA, V.V., tekhn.red.

[High-precision checking of conveying units in very long automatic
lines; development of the method and its introduction into practice]
Vysokotochnaia vyverka napravliaiushchikh putei avtomaticheskikh
linii bol'shogo protizheniya; razrabotka metoda i opyt vnedreniya
v proizvodstvo. Moskva, Izd-vo geod. lit-ry, 1960. 94 p (Moscow.
Institut inzhenerov geodezii, aerofotos'emki i kartografii. Trudy,
no.38) (MIRA 14:3)

(Conveying machinery)
(Surveying)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

GIRSHBERG, M.A., detsent, kand.tekhn.nauk

"Geodesy" by A.V. Maslov, G.I.Gorekhov. Pt.3. Reviewed by
M.A.Girshberg. Izv. vys. ucheb. zav.; geod. i aerof.
no.2:141-145 '61. (MIRA 14:6)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"zemki i
kartografii.

(Photography--Films)
(Maslov, A.V.) (Gorckhov, G.I.)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

~~CIA-RDP86-00513R0005~~

GIRSHBERG, Moisey Abramovich, dotsent; KOLOSOV, B.A., dotsent,
retsenzent; GORDEYEV, A.V., dotsent, kand. tekhn. nauk,
nauchnyy red.; KHROMCHENKO, F.I., red. izd-va; SUNGUROV,
V.S., tekhn. red.

[Collection of problems in geodesy] Zadachnik po geodezii.
Moskva, Izd-vo geodez. lit-ry. Pt.1. 1961. 287 p.
(MIRA 15:2)

(Surveying--Problems, exercises, etc.)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

S/035/62/000/004/052/056
A001/A101

AUTHOR: Girshberg, M. A.

TITLE: The microleveling instrument with two indicators

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 4, 1962, 37,
abstract 4G230 ("Tr. Mosk. in-ta inzh. geod., aerofotos"yemki i
kartogr.", 1961, no. 46, 3-8)

TEXT: The microleveling instrument with two indicators for high-precision
control of installing guides for extensive automatic lines with respect to height
is proposed by the author in place of microleveling instrument MH -2 (MN-2)
developed in MIIGAiK (See PZhAstr, 1961, 7G105). In the new design the rigid
support of the MN-2 microleveling instrument is replaced by a clock-type indica-
tor, and the second micrometric screw for adjusting the leveling bubble into
the zero-point is added. To ensure the control in using the microleveling
instrument with two indicators, there is no necessity to turn it through 180°;
it is sufficient to change the elevation head of the instrument by means of two
micrometer screws at the level. The mean square error of elevation at a station

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S/035/62/000/004/052/056

A001/A101

The microleveling instrument with two indicators

at two elevation heads, determined by means of the new leveling instrument, is equal to $\pm 8.5 \mu$ as was shown by studies, whereas that of MN-2 is $\pm 10 \mu$.

V. Mikheyev

[Abstracter's note: Complete translation]

Card 2/2

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GIRSHBERG, N. M.

PA 164T31

USSR/Engineering - Compressors, Air Jun 50
Supercharging

"Increasing the Productivity of Piston-Type Com-
pressors by Supercharging," N. M. Girshberg

"Energet Byul" No 6, pp 1-10

Gives formulas for computing productivity of
piston-type compressors, supercharge diagrams,
and description and diagram of supercharge unit
controlled by separate pressure regulator. Rec-
ommends three methods of regulating supercharge
unit and concludes that proposals herein will
require confirmatory experimental checking.

164T31

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002 171T60 CIA-RDP86-00513R0005

GIRSHBERG, N. M.

USSR/Engineering - Compressors
Pumps

Sep 50

"Regulation of Rotary Compressors," N. M. Girshberg

"Energet Byull" No 9, pp 9-17

Discusses shift from slow-speed reciprocating machines to high-speed rotary machines in all branches of industry. Describes merits and defects of various methods of regulating rotary compressors and gives examples of automatic control not widely used now, but deserving attention because of high degree of flexibility.

171T60

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GIRSHBERG, N.M., kand.tekhn.nauk

Review of "Automobile piston compressors" by L.A.Egorov,
V.G.Rozanov. Avt.prom. no.1:45-46 Ja '60.
(MIRA 13:5)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.
(Automobiles—Engines(Compressed gas))
(Egorov, L.A.) (Rozanov, V.G.)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GIRSHBERG, N.M., kand. tekhn. nauk, dotsent

Gas turbine compressors. Izv. vys. ucheb. zav., energ. 8
no.7:124-129 Jl '65. (MIRA 18:9)

I. Khar'kovskiy avtomobil'no-dorozhnyy institut. Prestavlena
kafedroy avtomobiley i dvigateley.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

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GIRSHBERG, P.R.

11 E

OK

Biocchemistry of ascorbic acid. II. Effect of catalase on stability of ascorbic acid. L. D. Katchevnik and P. R. Girshberg. *Bull. Acad. Med.* 14, No. 8, 657-7 (1927); ref. C.A. 10, 6473. Catalase preparations from rabbit blood tend to stabilize ascorbic acid which is oxidized aerobically at a slower rate than it is in the absence of catalase. The same effect was observed with prep. from liver of pigs, cows, and rams. G. M. Koulapoff.

AMERICAN METACOMBINED LITERATURE CLASSIFICATION

CLASSIFICATION

SEARCHED INDEXED

FILED SERIALIZED

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

GIRSHBERG, V.V., inzh.; BRODSKIY, Yu.A., inzh.; KIRSHMAN, R.V., inzh.;
MALINOVSKAYA, Z.N., inzh.; TRIFONOVA, T.P., inzh.;
KHODNEV, V.V., inzh.

Large-block units of electric power supply equipment for
agriculture. Elektrotehnika 34 no.11:1-7 N '63.
(MIRA 17:2)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

GIRSHBERG, V.V., inzhener; ARSON, G.S., inzhener; CHALYI, G.V., inzhener.

Modern systems of automatic control of large hydroelectric units.
Vest.elektroprom. 18 no.5:13-18 '47. (MLRA 6:12)

1. Proyektno-vosstanovitel'nyy trest Ministerstva elektropromyshlennosti.
(Automatic control) (Hydroelectric power
stations)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

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GIRSHBERG, V.V., inzhener; DUBOV, L.Ya., inzhener; KHODNEV, V.V., inzhener.

Control panels for rural hydroelectric power stations and substations.
Vest.elektroprom. 27 no.2:50-56 F '56. (MIRA 9:7)

1.TSentral'noye konstruktorskoye byuro "Elektroprivod".
(Electric power plants--Equipment and supplies)

GIRSHBERG V.V.

AUTHOR: Girshberg, V.V., Engineer

110-1-9/19

TITLE: Industrial Manufacture of Electrical Equipment for the
Automatic Control of Power Stations and Sub-stations
(Promyshlennoye proizvodstvo elektrooborudovaniya dlya
avtomaticheskogo upravleniya elektricheskimi stantsiyami
i podstantsiyami)

PERIODICAL: Vestnik Elektropromyshlennosti, 1953, Vol.29 No.1,
pp. 38 - 43 (USSR).

ABSTRACT: This is a descriptive review in which questions of electrical protection are first considered. The output of relays by Soviet factories from 1929 to 1957 is given in Table 1; the planned figure for 1957 is 800 000. A low-frequency induction relay is illustrated in Fig.1 and a phase-differential high-frequency protection panel in Fig.2. A substantial export trade has developed since the war and tropical instruments have been produced for service in India and South-east Asia. Protective equipment has been produced for the Kuybyshev 400 kV scheme. Descriptions of the available types of relays are given. Data about the increase in the use of relays in power stations is given in Table 2.

Automatic voltage control equipment for generators is then briefly described. At present, voltage regulators with magnetic

Card1/3

IIIC-1-9/19

Industrial Manufacture of Electrical Equipment for the Automatic Control of Power Stations and Sub-stations

amplifiers are being developed for small alternators. Automatic control of frequency and active power is briefly discussed.

Equipment has been evolved for the automatic synchronisation of alternators; one such instrument is illustrated in Fig.4. However, methods based on accurate synchronisation are being replaced by self-synchronisation, which allows of simpler and cheaper control apparatus.

The automatic control of hydro-electric power stations is discussed. Sets may be started and stopped by a single signal and if need be, by remote control. An automatic operator developed for the Tsimlyansk Hydro-electric Power Station is illustrated in Fig.5. Equipment has also been developed for automatic control of the pumping stations on the Volga-Don Canal. A complete panel is illustrated in Fig.6.

Complete automatic control of thermal power stations is not yet possible, but complex automation is emerging. Systems are being devised for the automatic control of combustion in power station boilers. Twelve d.c. motors can be controlled together. The main control device is a flat rheostat with

Card2/3

110-1-9/19

Industrial Manufacture of Electrical Equipment for the Automatic Control of Power Stations and Sub-stations

electric drive. The system is reliable. Series production has commenced of complete control and protection equipment for thermal power stations and for sub-stations. Control and protective equipment for synchronous condensers is also described. The immediate future task is to introduce complex automation into the control of electrical machinery.

There are 6 figures and 2 tables.

ASSOCIATION: TskD NII EP

SUBMITTED: September 6, 1957

AVAILABLE: Library of Congress
Card 3/3

SERGOVANTSEV, V.T., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk;
ALUKER, Sh.M., kand.tekhn.nauk; ANDRIANOV, V.N., doktor tekhn.
nauk; ASTAF'YEV, N.N., kand.tekhn.nauk; BUDZKO, I.A., akademik;
BYSTRITSKIY, D.N., kand.tekhn.nauk; VEYALIS, B.S., kand.tekhn.
nauk; GIRSHBERG, V.V., inzh.; GORSHKOV, Ye.M., inzh.; GRI-
CHEVSKIY, E.Ya., inzh.; ZAKHARIN, A.G., doktor tekhn.nauk;
ZLATKOVSKIY, A.P., kand.tekhn.nauk; IOSIPYAN, S.G., inzh.;
ITSKOVICH, A.M., dotsent; KAUFMAN, B.M., inzh.; KVITKO, M.N.,
inzh.; KORSHUNOV, A.P., inzh.; LEVIN, M.S., kand.tekhn.nauk;
LOBANOV, V.N., dotsent; LITVINENKO, A.F., inzh.; MERKELOV,
G.F., inzh.; PIRKHAVKA, P.Ya., kand.tekhn.nauk; PRONNIKOVA,
M.I., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; FATYU-
SHENKO, S.G., inzh.; KHODNEV, V.V., inzh.; SHCHATS, Ye.L.,
kand.tekhn.nauk; EBIN, L.Ye., doktor tekhn.nauk; ENTIN, I.A.,
kand.tekhn.nauk; SILIN, V.S., red.; SMELYANSKIY, V.A., red.;
BALLOD, A.I., tekhn.red.; SMIRNOVA, Ye.A., tekhn.red.

[Handbook pertaining to the production and distribution of
electricity in agriculture] Spravochnik po proizvodstvu i
raspredelenii elektricheskoi energii v sel'skom khoziaistve.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 900 p. (MIRA 13:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina (for Budzko).
(Rural electrification)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

VORONETSKIY, B.B., kand. tekhn. nauk; GIRSHBERG, V.V., inzh.;
KHODNEV, V.V., inzh.

Transistorized systems for automatic control and protection
of power engineering and industrial systems. Elektrotehnika
36 no.4:1-6 Ap '65. (MIRA 18:5)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

L 2794868 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

ACC NR: AP6017708

SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.; Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.; Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovskiy, O. V.; Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.; Yun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgic furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a Metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUEM DATE: none

Card 1/1 BLG

UDC: 621.34

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

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PROBLEMS AND PRACTICES - 24

10

Reaction between esters and acid chlorides. B. Z. Amstutz and B. V. Hirschberg, Proc. Charleroi State Univ. 4, 5-8 (1940). The yield of alkyl chlorides in presence of $ZnCl_2$ (cf. Kyrildes and Dvornicoff, J. Org. Chem. 23, 1367) in the reactions $AcCl + EtOAc$, $AcCl + C_6H_5OC$, $BzCl +$ furyl benzoate and phthalyl chloride + furyl phthalate is very small or nonexistent. When an alkyl chloride is formed the corresponding unsat'd hydrocarbon seems to be an intermediate product. B. C. A.

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EXHIBIT 7, 1/1
Ca

2 t

Drying and degassing insulating oils. R. P. Lange and
E. V. Hinsberg. Russ. 31,203, April 30, 1910. The
oil is heated with an inert gas after being heated to 100°
C., and is followed then cooled during such a velocity of
heat as to expose the oil to the heating and cooling for
not more than 5 min.

AM-SEA - ADDITIONAL LITERATURE CLASSIFICATION

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3,

GIRSHBERG, Yc.V.
CA

Chemical properties of ethylene oxide polymer. P. V. Zamakov and E. A. Gribilberg. *Doklady Akad. Nauk S.S.R.* **58**, 1061 (1947). A solid ethylene oxide polymer produced by contact with either dil. NaOH or SnCl₄ in about 52°, was examined. Treatment with Hg gave a syrup with much heat evolution and no solid deriv. could be obtained; treatment with AgNO₃ readily ppts. AgBr while KI liberates free I₂; treatment with Hg for 48 hrs. gave a liquid product, b. 100°, whose constants are close to those of dioxane. A spot test of the polymer with ale. I gave red crystals which are quite unstable; the product, m. 82°, appears to be $(\text{OCH}_2\text{CH}_2)_n\text{I}$. Treating with SnCl₄ yields colorless crystals, m. 120°, which appear to be $2\text{SnCl}_3 \cdot n\text{H}_2\text{O}$. Apparently all the reaction products can be formulated like adducts of dioxane at one of the O atoms. G. M. K.

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L 14024-66 EWT(d)/BXT/T/EWP(1) LJP(c) BB/GG
ACC NR: AP6003134

SOURCE CODE: UR/0315/55/000/012/0045/0048

AUTHOR: Girshberg, Yu. V.; Dubitskaya, A. M.; Kolchinskaya, N. S.

ORG: none

TITLE: Experience in programming an English-Russian machine translation algorithm
on the Ural 4 digital computer

SOURCE: Nauchno-tehnicheskaya informatsiya, no. 12, 1965, 45-48

TOPIC TAGS: machine translation, digital computer, computer programming

ABSTRACT: The programming of the Ural 4 digital computer with an algorithm for the translation of the U. S. patent weekly "Official Gazette" is described. The algorithm comprises a system of programs which take into account the most essential grammatical relationships. The system of programs uses the address method for retrieval of information from the dictionary by a key (a concise code of words which is the address of the information on the English word). The method of key search is also extended to terminological conversions. The programs take into account the

Card 1/2

UDC: /651.926:681.142/:801.54

Card 2/2

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GIRSH & VACHAL YU.

SAH/Human and Animal Physiology - The Nervous System.

v-6

abs Jour : Ref Zhur - Biol., No 4, 1958, 13512

Author : A.I. Franklitzyn, V.M. Antsyshchenko, V.P. Girshovich
and N.M. Kupustina

Inst Title : The Significance of Pathological Spasm in a Clinic of
Central Paralysis (The Mechanisms of Increase in Muscle
Tonus, Pathological Reflexes, Synkinesis an' the Reverta-
tion of Motor Function).

orig Pub : Vestn. Akad. med. nauk SSSR, 1957, No 4, 17-20

Abstract : On the basis of experimental data and clinical observa-
tions the authors arrive at the conclusion that at the
root of the increase in muscle tone in decerebrate ri-
gidity and hemiplegia lies the emergence of dominant ex-
citatory foci in the central nervous system-in the first
case as a result of disinhibition of the centers of anti-
gravitational muscles, which are even normally tonically

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GIRSHFEL'D, G., inzh.

Radio dispatcher system on ships and prospects for its development.
Rech. transp. 20 no. 1:16-18 Ja '61. (MIRA 14:2)
(Radio in navigation)

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CIA-RDP86-00513R0005

GIRSHFEL'D, G.S.

Using ultrashort wave radio stations in riverports. Rach.transp. 18
no. 3:47-48 Mr '59.

(MIRA 12:4)

(Radio, Short wave) (Radio stations)
(Radio in navigation)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GIRSHFEL'D, O.V.

A study of throwing sticks based on materials of ethnological
museums of Leningrad and Moscow. Sbor.Muz.ant.i etn. 14:98-118 '53.
(MLRA 7:4)

(Throwing sticks)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GIRSHFEL'D, R. (Moskva)

Improvement of the objective "Industar 50U-1." Sov.foto 18 no.12:49
(MIRA 11:12)
D '58.
(Cameras)

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CIA-RDP86-00513R0005

GIRSHFEL'D, R.V.; ZAKIN, M.M.; LYAKHOVETS'KAYA, D.D.

Paragonimiasis with pulmonary tuberculosis [with summary in English].
(MIRA 11:4)
Probl.tub. 35 no.8:113-116 '57.

1. Iz 11-go protivotuherkuleznogo dispansera Moskvy (glavnnyy vrach
G.V.Kotsubey)
(TUBERCULOSIS, PULMONARY, compl.
paragonimiasis of lungs (Rus))
(TREMATODE INFECTIONS, compl.
pulm. tuberc. in paragonimiasis of lungs (Rus))
(LUNG DISEASES, complications,
paragonimiasis with tuberc. (Rus))

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CIA-RDP86-00513R0005

BORISOVA, V.N.; GIRSHFEL'D, R.V.; ZAKIN, M.M.; KUZ'MINA, P.A.; MAKAREVICH,
M.S.

Use under dispensary conditions of seeding of sputum and tracheal
washings for the detection of Mycobacteria tuberculosis. Probl.
tub. 38 no.2:66-67 '60. (MIRA 13:11)

1. Iz II-go protivotuberkuleznogo dispansera Moskvy (glavnyy
vrach G.V. Kotsubey).
(MYCOBACTERIUM TUBERCULOSIS)

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GIRSHFELD, S. V.

"The Study of Delayed Neutrons Emitted by Uranium-233 as a Result of Irradiation by Thermal Neutrons," a paper presented at the Atoms for Peace Conference, Geneva, Switzerland, 1955

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GIRSHFEL'D, S.V.

[Investigation of delayed neutrons from U²³³ after irradiation
by thermal neutrons] Issledovanie zapazdyvaiushchikh neitronov
urana-233 posle oblucheniia teplovymi neitronami. Moskva, 1955.
16 p.

(MIRA 14:7)

(Neutrons) (Uranium—Isotopes)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GIRSHFEL'D, V.Ya., redaktor; OZERSKIY, V.A., redaktor; VORONIN, K.P.,
tekhnicheskij redaktor

[Single-unit systems and intermediate superheating in electric
power plants. Translations] Blochnye skhemy i prozvukotchnyi
peregrev na elekrostantsiiakh. Perevody statei po red. V.IA.
Girshfel'da. Moskva, Gos.energ.izd-vo, 1956. 47 p. (MIRA 10:11)
(Electric power plants)

AID P - 4808

Subject : USSR/Engineering

Card 1/1 Pub. 110-a - 11/17

Author : Girshfel'd, V. Ya., Kand. Tech. Sci.

Title : Heilbronn Electric Power Plant. West Germany (News From Abroad).

Periodical : Teploenergetika, 7, 54-56, J1 1956

Abstract : Describes the new power plant (started operation in 1955) on the Neckar river. Diagrams. 3 German references.

Institution : None

Submitted : No date

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GIRSHFEL'D, V.Ya., kandidat tekhnicheskikh nauk.

Heat expenditure for starting, stopping, and maintaining power
plants in hot reserve. Teploenergetika 4 no.3:60-61 Mr '57.
(MLRA 10:3)

(Electric power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GIRSHFEL'D, V.Ya., kandidat tekhnicheskikh nauk.

A 115 mw block for the Baudour power station. Teploenergetika
4 no.9:84 S '57.
(MIRA 10:8)
(Baudour, Belgium--Electric power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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20.1. SHIPELEV, V.

GIRSHFEL'D, V.Ya., kand. tekhn. nauk.

New electrical power plants of a block design in the German Federal
Republic. Teploenergetika 4 no.12:81-85 D '57. (MIRA 10:11)
(Germany, West--Electric power plants)

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2/18/86 RFB: jtm

GIRSHFEL'D, V.Ya., kand. tekhn. nauk.

An application of high initial parameters for steam turbines with
a double opposed pressure arrangement. Teploenergetika 4 no.12:
85 D '57. (MLRA 10:11)

(Steam turbines)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GIRSHFEL'D, V.Ya., kandidat tekhnicheskikh nauk: RIKHTER, L.A., kandidat
kandidat tekhnicheskikh nauk.

Unit-type electric power stations abroad. Energetik 5 no.3:1-5
Mr '57. (MIRA 10:3)
(United States--Electric power plants)

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GIRSHFEL'D, V.Ya.; ALEKSANDROV, A.A.

Utilizing heat from bleeder steam superheating in a regenerative preheating system for feed water. Nauch.dokl.vys.shkoly; energ. no.4:141-151 '58. (MIRA 12:5)

1. Rekomendovana kafedroy teplovых elektrostantsiy Moskovskogo energeticheskogo instituta.
(Feed-water heaters)

AUTHOR: Girshfeld, V.Ya., Cand.Tech.Sci. 307/96-58-6-17/24

TITLE: The thermal circuit of the 100-MW unit-type set for Göttingen Power Station (West Germany). (Teplovaya skhema bloka 100 Mvt elektrostantsii Gattingen (FRG))

PERIODICAL: Teploenergetika, 1958, Vol.5. No.6. pp. 83-84 (USSR)

ABSTRACT: This is a description taken from German literature of the thermal arrangements for the first two 100-MW sets for Göttingen Power Station, which will commence operation in 1958-59. No special comment is made. There are 2 figures and 2 literature references (German).

1. Power plants--Germany

Card 1/1

SOV/96-58-10-1/25

AUTHOR: Girshfeld, V.Ya. (Cand.Tech.Sci.)
Ostrovskiy, Ya. M. (Cand.Tech.Sci.)
Belinskiy, S.Ya. (Cand.Tech.Sci.)
Belyanin, P.A. (Engineer)

TITLE: The availability of reserve generating plant in thermal power stations.
(O mobil'nosti vrashchayushchegosya rezerva na teplovyyh elektrostant-
siyakh)

PERIODICAL: Teploenergetika, 1958, No.10 pp. 3 - 7

ABSTRACT: With the advent of supply to Moscow from Kuybyshev, it became necessary to maintain adequate reserve plant in order to safeguard against transmission break-downs. The reserves are partly in thermal and partly in hydro-electric stations; the proportion of load picked up by the latter has varied from 32 to 60%. The rate of take-up of load at the main hydro-electric stations was as follows: from half to full load, 10 - 15 seconds, from no load to full load, 25 - 30 seconds. Therefore, sufficient reserve must be available in thermal stations to accept load instantly and so safeguard the frequency. Rates of load take-up at a steam-driven station are given in Table 1. for various types of boilers and rates of steaming. The pressure-drop in the boilers is related to the magnitude of the steam demand in Fig.1. Analysis of data for particular sets shows that in practice there are three types of load take-up, as shown in Fig.2: the load may fall to the initial value; it may fall part way; or it may remain constant.

Card 1/3

The availability of reserve generating plant in thermal power stations

SOV/96-58-10-1/25

The load may drop again to its initial value after suddenly being taken up because of manual intervention to prevent overloading. The proportion of initial load take-up that was maintained in particular cases when both transmission lines failed is given in Table 2. The method of determining the pressure drop in a boiler when the load on the turbines is suddenly increased is then explained with reference to Fig.3; a formula is derived for the accumulator capacity of drum-type boilers. Calculations made for different types of boilers by means of this formula, gave the results seen in Table 3. The relationship between the boiler accumulator capacity and the product of water volume and rated pressure is plotted in Fig.4; the graph is linear. Special tests were made at power stations to determine the maximum permissible rates of load take-up. The results are given in Table 4. The main condition that limited the rate of load take-up in medium-pressure boilers was the rise of water level in the drum. Graphs of the rate of steady load take-up for 50 - and 100 - MW turbines operating with boilers type TP-230 are given in Fig.5. The method of construction is explained; worked examples of determination of rate of load pick-up are given with reference to Figs. 6 & 7.

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The availability of reserve generating plant in thermal power stations. SOV/96-58-10-1/25

It is concluded that in a number of thermal stations when a fault occurs the load is not taken up quickly enough and not all the reserve generating capacity is immediately forthcoming.

There are 7 figures and 4 tables.

ASSOCIATION: Moscow Power Institute - Mosenergo (Moskovskiy Energeticheskiy Institut - Mosenergo)

Card 3/3

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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BELINSKIY, S.Ya., red.; GIRSHFEL'D, V.Ya., red.; OZERSKIY, V.A., red.;
VORONIN, K.P., tekhn.red.

[Unitized electric power plants with high steam parameters]
Blochnye elektrostantsii na vysokie parametry para. Moskva,
Gos.energ.izd-vo, 1959. 103 p. (MIRA 12:8)
(Electric power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GREBENKIN, V.G. [translator]; RODDATIS, K.F., red.; GIRSHFEL'D, V.Ya..
red.; LARIONOV, G.Ye., tekhn.red.

[Use of boiler systems] Ekspluatatsia kotel'nykh ustavovok.
Pod red. K.F.Roddatisa. Moskva, Gos.energ.izd-vo, 1959. 495 p.
Translated from the German. (MIRA 13:7)
(Germany, West--Boilers)

VYMORKOV, Boris Mikhaylovich, inzh.; PUTNIK, Nikolay Petrovich, inzh.;
PAKSHVER, V.B., kand.tekhn.nauk, retsenzent; GIRSHFEL'D, V.Ya.,
red.; VORONIN, K.P., tekhn.red.

[Geothermal resources and their use in power engineering] Geo-
termicheskie resursy i ikh energeticheskoe ispol'zovanie. Moskva,
Gos.energ.izd-vo, 1960. 166 p. (MIRA 13:10)
(Steam power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

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GIRSHFEL'D, V.Ya., kand.tekhn.nauk

Development of unit-type power plants in Western Europe.
Teploenergetika no.4:90-92 Ap '60. (MIRA 13:8)
(Germany, West--Steam turbines)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

GIRSHFEL'D, V. Ya., kand.tekhn.nauk

Industrial electric power plants of medium size in the Federal
Republic of Germany. Teploenergetika 7 no.3:87-92 Mr '60.

(MIDA 13:5)

(Germany, West--Electric power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

MALISHEVSKIY, Nikolay Aleksandrovich; GIRSHFEL'D, V.Ya., red.; VORONIN, K.P.,
tekhn. red.

[Using sea water in cooling systems of electric power plants] Is-
pol'zovanie morskoi vody v sistemakh okhlazhdeniya elektrostantsii.
Moskva, Gos. energ. izd-vo, 1961. 198 p. (MIRA 14:8)
(Electric power plants—Cooling)

GIRSHFEL'D, V.Ya., inzh.; NEYDING, M.M., inzh.; RYZHIN, V.Ya., inzh.

"Layouts of thermal electric power plants" by V.G.Zhilin. Reviewed
by V.IA.Girshfel'd, M.M.Neiding, V.IA.Ryzhin. Elek. sta. 33
no.7:95-96 Jl '62. (MIRA 15:8)
(Electric power plants) (Zhilin, V.G.)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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CIA-RDP86-00513R0005

GIRSHFEL'D, V.Ya., kand.tekhn.nauk; KNYAZEV, A.M., kand.tekhn.nauk; BAKHUSOV,
V.N., inzh.

Diagram of cycles for the T-100-130 turbine plant. Teplognergetika
9 no.10:88-91 O '62. (MIRA 15:9)
(Sverdlovsk--Turbines--Design and construction)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

DOLGOVSKIY, Nikolay Mitrofanovich. Prinimal uchastiye GIRSHFEL'D,
V.Ya.; MELEYEV, A.S., red.; BUL'DYAYEV, N.A., tekhn. red.

[Thermal electric-power plants and thermal networks] Tep-
lovye elektricheskie stantsii i teplovye seti. Pod red.
V.Ia.Girshfel'da. Moskva, Gosenergoizdat, 1963. 159 p.
(Electric power plants) (MIR 16:6)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

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BASKAKOV, A.P.; GUREVICH, M.I.; RESHETIN, N.I.; RYSAKOV, N.F.;
SHALAYEV, N.B.; GIRSHFEL'D, V.Ya., red.; FRIDKIN, L.M.,
tekhn. red.

[General heat engineering] Obshchaya teplotekhnika. [By]
A.P. Baskakov i dr. Moskva, Gosenergoizdat, 1963. 391 p.
(MIRA 16:2)
(Heat engineering)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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~~CIA-RDP86-00513R0005~~

GIRSHFEL'D, V.Ya., kand. tekhn. nauk

Use of accumulators for increasing the operational flexibility
of power generating units. Teploenergetika 10 no.7:85-87
(MIRA 16:7)
Jl '63.

(France--Electric power plants)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

CIA-RDP86-00513R0005

GIRSHFEL'D, V.Ya., kand. tekhn. nauk; BAKHUSOV, V.N., inzh.

Method for calculating the variable modes of operation of
the thermal network of a turbine system with two central
heating steam takeoffs. Izv. vys. ucheb. zav.; energ. 7
no.2:45-51 F '64. (MIRA 17:3)

1. Moskovskiy ordena Lenina energeticheskiy institut.
Predstavlena kafedroy teplovyykh elekrostantsiy.